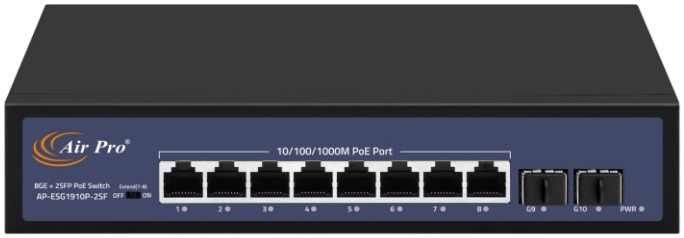
DATASHEET
AP-ESG1910P-2SF

Air Pro®
Simple | Secure | Trusted

10 Port 10/100/1000M Smart Long Range PoE Switch

PRODUCT OVERVIEW

10-Ports 10/100/1000M PoE Switch with 8*10/100/1000M PoE Ports + 2*1000M SFP Port, using high-quality high-speed network IC and the most stable PoE chip, PoE port meets 802.3af / 802.3at standard, this series of PoE Switch can be 10/100/1000M Ethernet The network provides a seamless connection, and the PoE power port can automatically detect and power the powered devices that comply with the IEEE802.3af / IEEE802.3at standards. The non-PoE device intelligently detects no power and only transmits data.



PoE (Power over Ethernet) refers to the technology of providing dc Power supply to some IPbased terminals (such as IP telephone, wireless access AP, network camera, etc.) while transmitting data signals. These devices receiving dc Power supply are called receiving devices.

With simple and convenient installation and maintenance methods and rich business features, it helps users to build a safe and reliable high performance network. It is mainly located in the core or convergence layer of user networks such as industrial parks, buildings, factories and mines, government agencies, and residential broadband; it can be widely used in Ethernet access scenarios such as small and medium-sized enterprises, Internet cafes, hotels, and schools.

MAIN FEATURES

- 8*10/100/1000M PoE Ports + 2*1000M SFPPort.
- Comply with IEEE 802.3, IEEE 802.3u, IEEE802.3af/at standards.
- Compatible with IEEE802.3at (30W) and IEEE802.3af (15.4w).
- Flow control mode: full-duplex adopts IEEE 802.3x standard, half-duplex adopts Back pressure standard.
- Exchange mechanism using store-and-forward.
- All ports support wire-speed switching.
- Automatically supplied to adaptive devices.
- Panel indicator-monitoring status and help failure analysis.

APPLICATION ENVIRONMENT

- Metro Optical Broadband Network: Data network operators such as telecommunications, cable TV, and network system integration, etc.
- Broadband private network: Suitable for financial, government, oil, railway, electric power, public security, transportation, education and other industries.
- Multimedia transmission: Integrated transmission of images, voice and data, suitable for remote teaching, conference TV, videophone and other applications.
- Real-time monitoring: Simultaneous transmission of real-time control signals, images and data.

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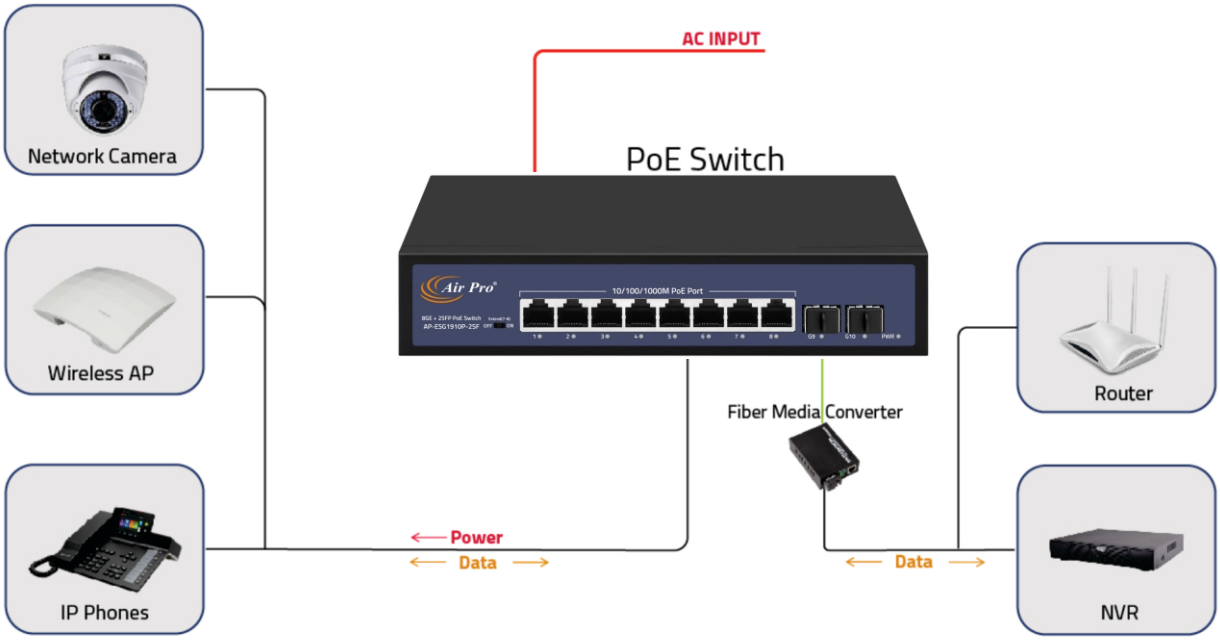
PRODUCT SPECIFICATIONS

Hardware Specifications

Item	AP-ESG1910P-2SF
Power	Input: AC 100-240V
Ethernet	8 Port 10/100/1000M PoE 2 Port 1000M SFP Uplink
Performance	
Switching Capacity	20Gbps
Throughput	14.88Mbps
Packet Buffer	2M
MAC Address	8K
Jumbo Frame	9216Kbytes
Transfer Mode	Store and forward
MTBF	100000 hour
Standard	
Network protocol	IEEE802.3 (10Base-T) IEEE802.3u (100Base-TX) IEEE802.3ab (1000Base-TX) IEEE802.3z (1000Base-FX) IEEE802.3x (Flow control)
PoE Protocol	IEEE802.3af (15.4W) IEEE802.3at（30W）
Industry Standard	EMI: FCC Part 15 CISPR (EN55032) class A EMS: EN61000-4-2 (ESD), EN61000-4-4 (EFT) Shock: IEC 60068-2-27 Free Fall: IEC 60068-2-32 Vibration: IEC 60068-2-6
Network Medium	10Base-T : Cat3, 4, 5 or above UTP(≤100m) 100Base-TX : Cat5 or above UTP(≤100m) 1000Base-TX : Cat5 or above UTP(≤100m)
Optical	Multimode Fiber: 850nm, 1310nm, Transmission Distance: 550m/2Km Single-Mode Fiber: 1310nm, 1550nm, Transmission Distance: 20/40/60/80/100/120km
Protection	
Security Certificate	CE, FCC, RoHS
Environment	
Working Environment	Working Temperature : -20~50°C Storage Temperature : -40~85°C Working Humidity : 10%~90%, non-condensing Storage Temperature : 5%~90%, non-condensing Working Height : Maximum10,000 feet Storage height : Maximum 10,000 feet
Indication	
LED Indicators	PWR (power supply), mode (DIP), 1-10 (Link & Data)
DIP Switch	Extend ON: Link extension mode, 7-8 ports PoE power supply and data transmission distance can be extended to 250 meters, the transmission rate becomes 10M Extend OFF: Normal mode, all port can communicate with each other
Mechanical	
Structure Size	Product Dimension (L*W*H): 270*185*45mm Package Dimension (L*W*H): 312*262*84mm N.W : 1.1kg G.W : 1.7kg
Packing Info	Carton MEAS : 540*435*332mm Packing Qty : 10 units Packing Weight : 18KG
Power Voltage	Input Voltage : AC 100-240 V Power supply : 52V2.3A
Package List	Switch 1 pcs, Power cord 1 pcs, User manual 1 pc, Warranty card 1 pc
Ordering Info	
AP-ESG1910P-2SF	10-Ports 10/100/1000M with 2SFP Uplink PoE Switch



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